## AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended). A vehicle <u>occupant support</u>

<u>apparatus for installation in a vehicle seat, the apparatus comprising;</u>

<u>an array of air cells including expandable chambers; and</u>

a control module having an input connectable to a fluid supply system and including only enough outputs to connect respective cells of a portion of the array to the fluid supply system via the control module, thereby allowing the array of air cells to be conformed to any one of a plurality of different vehicle types by connecting to the limited number of outputs only those cells that are appropriate or intended for use in a given vehicle type.

Claim 2 (currently amended). A vehicle occupant support apparatus for installation in a vehicle seat, the apparatus comprising:

an array of air cells including expandable chambers; and
a control module for connecting the air cells to a fluid supply system and including a controller, a pump, and a wiring harness connected to the controller; the controller being selected from among a plurality of different function controllers configured to operate the occupant support apparatus according to different respective user preferences.

Claim 3 (currently amended). The vehicle occupant support apparatus of either claim 1 or claim 2 wherein the control module is programmed to have target pressures attained by using a programmed time

Deleted: seat

**Deleted:** arrangement having a plurality of air cells therein for supporting a user characterized by

Deleted: a

Deleted: plurality

Deleted: of

Deleted: with

Deleted: comprising a fixed array

Deleted: controller

Deleted: for connecting

Deleted: said plurality of air cells and

**Deleted:** that includes fittings for cutting off one or more of the air cells from the controller

Deleted: to

Deleted: conform

Deleted: fixed

**Deleted:** The vehicle seat arrangement of claim I further characterized by said fixed array being part of a modular seating unit; said modular seating unit including

Deleted: supply hoses, and

**Deleted:**; a connection for securing said wiring harness

Deleted: a

Deleted: said

Deleted: comprising one

Deleted: of

Deleted: selected to

Deleted: provide

Deleted:

Deleted: preference

**Deleted:** operation of said modular seating unit

Deleted: scat

Deleted: arrangement

Deleted: said

Deleted: controller

action.

of inflation or deflation of the expandable chambers as established by desired program sequences of operation by the control module.

Deleted: controller

Claim 5 (currently amended). The vehicle <u>occupant support</u> apparatus of claim 3 wherein the valves are provided and the control module is programmed to have a programmed time of inflation or deflation established by sequentially activating the valves individually and energizing the pump for predetermined periods, and varying the number and location of the expandable chambers pressurized producing localized pressures exerted on a supported member.

Deleted: seat

Deleted: arrangement

Deleted: said

Deleted: controller

**Deleted:** said

Deleted: said at least one

**Deleted:** in the more than one expandable chambers

Deleted:;

Claim 6 (currently amended). The vehicle occupant support apparatus of claim 1 including a pressure source and an exhaust system configured to provide a pneumatically controlled support surface for the seating or body support system and wherein the massage movement includes a sequence of inflate and deflate between the respective expandable chambers so as to provide concentrated massage while maintaining a directional movement of the expandable chambers producing the massage

Deleted: seat

Deleted: arrangement

**Deleted:** of the more than one expandable chambers

Claim 7 (currently amended). The vehicle occupant support apparatus of claim 6 including providing the expandable chambers as a series of expandable chambers and providing more than one user selected massage type and a preprogrammed manner of individual expandable chamber inflation and deflation to produce either a pulse type control of

Deleted: seat

Deleted: arrangement

Deleted: more than one

individual expandable chambers in both inflate and deflate steps through the series of expandable chambers so as to produce the aforesaid concentrated massage action.

Claim 8 (currently amended). The vehicle occupant support apparatus of claim 1 further including an inflate switch and a deflate switch and wherein the control sequence is initiated by signals from the inflate and deflate switches to the controller and wherein a manual inflate or deflate control is established by inputting the controller with input signals from manual operation of the inflate or deflate switches and wherein the controller is preprogrammed to provide a timed inflate and exhaust of the expandable chambers.

Claim 9 (currently amended). The vehicle occupant support apparatus of claim 1 including a lower lumbar expandable chamber, an upper lumbar expandable chamber and a middle expandable chamber and wherein the pressure source and exhaust system are controlled by an automatic controller controlled sequence of massage in which the sequence includes fully inflating the lower lumbar expandable chamber; then transferring the air from such lower lumbar expandable chamber to the upper lumbar expandable chamber and then to the middle or third expandable chamber and following such inflation deflating each of the multiple expandable chambers from the upper expandable chamber down to the lower expandable chamber and repeating the aforesaid automatic massage for a timed period.

Deleted: seat

Deleted: arrangement

Deleted: further characterized by

providing

Deleted: said

Deleted: said

Deleted: seat

Deleted: arrangement

**Deleted:** further characterized by providing one expandable chamber as

Claim 10 (currently amended). The vehicle occupant support apparatus of claim 9 wherein the switches are configured to stop the automatic massage action when depressed for a predetermined period of time,

Deleted: seat

Deleted: arrangement

**Deleted:** further characterized by depressing

**Deleted:** to stop the automatic massage action

Claim 11 (currently amended). The vehicle occupant support apparatus of claim 1 further including sensors and other switches and a controller operative in response to multiple input signals including one or more of an occupant detection condition; a temperature condition; system power-up; on-off switch and a system override switch.

Deleted: seat

Deleted: arrangement

Deleted: characterized by to providing

Claim 12 (currently amended). The vehicle <u>occupant support</u> <u>apparatus</u> of claim 1 further <u>including</u> a pressurized manifold; dual valves <u>disposed</u> between the pressurized manifold and the one or more expandable chambers <u>and configured to control</u> air flow from a supply manifold or to exhaust the one or more expandable chambers.

Deleted: seat

Deleted: arrangement

Deleted: characterized by a providing

Deleted: providing

**Deleted:** for controlling

Claim 13 (currently amended). The vehicle <u>occupant support</u> <u>apparatus</u> of claim 1 <u>wherein</u> the pressure source includes a pump supplying the manifold; and the pump <u>being operable</u> during exhaust from the one or more expandable chambers to back pressure the manifold.

Deleted: seat

Deleted: arrangement

Deleted: further characterized by

Deleted: ing

**Deleted:** operating

Claim 14 (currently amended). The vehicle occupant support apparatus of claim 12 including at least first second and third expandable chambers; the controller being configured to provide a massage sequence including deflating all of the expandable chambers; connecting the

Deleted: seat

Deleted: arrangement

**Deleted:** providing the one or more expandable chambers as

Deleted: providing

pressurized manifold to the first expandable chamber; deflating the first expandable chamber while inflating the second expandable chamber; deflating the second expandable chamber while inflating the third expandable chamber; deflating the third expandable chamber while inflating the second expandable chamber and deflating the second expandable chamber; repeating the aforesaid massage sequence.

Claim 15 (currently amended). The vehicle occupant support apparatus of claim 12 including at least first second and third expandable chambers; the controller being configured to provide a massage sequence including deflating all of the expandable chambers; connecting the pressurized manifold to the first expandable chamber to inflate the first expandable chamber; deflating the first expandable chamber while inflating the second expandable chamber deflating the second expandable chamber while inflating the third expandable chamber; deflating the third expandable chamber and repeating the aforesaid massage sequence.

Claim 16 (new). The vehicle occupant support apparatus of claim 1 wherein:

the control module includes a controller and a pump; and
the occupant support apparatus includes hoses connected at one
end to respective individual expandable chambers of the array and
connectable at respective opposite ends to the control module.

Deleted: seat

Deleted: arrangement

**Deleted:** providing the one or more expandable chambers as

Deleted: ing

Claim 17 (new). A method for customizing a vehicle occupant support apparatus to suit a particular vehicle application, the method including the steps of:

providing a vehicle occupant support apparatus including an array of air cells including expandable chambers configured to be carried by a vehicle seat, a controller connected to the air cells, and a fluid supply system connectable to the air cells through the controller;

selecting from among the air cells of the array, those air cells suited to a desired vehicle seat application; and

disconnecting all but the selected air cells from the controller.

Claim 18 (new). A method for customizing a vehicle occupant support apparatus to suit a particular vehicle application, the method including the steps of:

providing a vehicle occupant support apparatus including an array of air cells including expandable chambers configured to be carried by a vehicle seat, a controller connectable to the air cells, and a fluid supply system connectable to the air cells through the controller;

selecting from among the air cells of the array, those air cells suited to a desired vehicle application; and

connecting the selected air cells to the controller.